

Vol. 87, No. 31 Cambridge, Mass., Tuesday, Sept. 26, 1967

## New concept of classroom results from SCE contest

By Pat Szymanski

Behind the red doors of room 7-102 lies one approach to the ics major at MIT. Aside from and gasoline on the walls of the are an attempt to show how the problem of classroom design. This design developed from the Design A Classroom contest sponsored last spring by the Student Committee on Environment.

According to Maria Kivisild '69, who supervised the contest, between 30 and 40 general suggestions and two fully developed plans were received. The small response was attributed to the contest's poor timing.

The winning plan was submitted by three architectural students: Robert E. Reed '68, George L. Claffen '68 and George H. Chu '68. Ideally their classroom would be for use by one course. The instructor's office would be adjacent to the classroom area and reference materials would be readily available. The room would be open after the regular class

(Please turn to Page 2)

was made Wednesday by the faculty when they released the

names of 447 students who had

been granted degrees. Since Dr. Friedman's birthday was the fol-

lowing Saturday, he was only 18

when he received the degree, and

is believed to be the youngest

person ever to be awarded a doc-

torate by MIT. He may receive

his diploma by mail or return

for the Institute Commencement

exercises in June to receive it

along with the traditional doctor

Dr. Friedman was admitted to

MIT in the fall of 1964, after only

three years of high school. Almost

immediately after admission to

the Institute, he had accumulated

credit in a combined total of eight

matics. He spent Sept. 1964

of philosophy hood.

in mathematics at age 18 only three years at N

Highland Park, III. has been graduate school. Because of a Department of awarded the degree of Doctor of Philosophy in Mathematics by MIT for work he did since he mission to the Graduate School protein derived from such microentered the Institute three years was waived. After a year of grad- organisms as bacteria, yeasts, ago. He accomplished the feat uate courses and work on his and microscopic algae and fungi. without the benefit of either a thesis, entitled "Subsystems of Several are considered promising formally completed high school or Set Theory and Analysis," he as eventual sources of low-cost undergraduate career. He is now passed the General Examinations food. Its role is not definite howversity. 18-year-old PhD Announcement of the award

Friedman awarded PhD

Harvey M. Friedman from through June 1966 in the under-

Mathematics recommendation, the baccalaureate requirement for adcommittee August 31.

# Four students start early in Wellesley-MIT exchange

important benefits of the project tion more acceptable to all con- He has to commute four times a is very helpful. Such a means has cerned. She has her seminar on been supplied for the MIT-Wellesley cross-registration committee by a few enterprising MIT and Wellesley students.

Presently there are two MIT men and two Wellesley women cross-registered in each other's school for the fall term. The related experiences from both sides seem to indicate a full realization of gains to be made from such a program.

City planning

Jane Canter is a senior majoring in history at Wellesley College. She is very interested in city planning and urban design. Wellesley, however, being a fouryear college, has not yet been able to offer the depth and current developments in a specialized field the way the research of a university can. She finds the seminar that she takes in city planning at MIT a stimulating give and take experience with many her field.

Jim Liang is a sophomore phys-Anxious to start

Jane decided to cross-register lege in Los Angeles.

While drawn-out discussions started because she was anxious ule without too much difficulty.

before the program officially Friday and fits it into her sched-

hash over the details of an to follow up her interest and found. Jim is taking a year sequence awaited beneficial project, a that the announcement of the in- course and therefore did not means of maintaining sight of the tended program made the situa- choose to wait until second term.

(Please turn to Page 3)

# Student Center teatures posters in exhibit by Sister Mary Corita



Anyone who wonders whether or others having equal interest in not the Student Center Committee screen) represent a blend of rehas taken up advertising bread ligious art and advertising. They physics he enjoys the Chinese second floor Reading Room would hard-hitting but alienating slogans language. Unable to get a course be well advised to take another of Madison Avenue can give inin Chinese at a science-oriented look at the posters there. They sight into religious ideas. Through university, Jim tried Wellesley represent the work of Sister Mary bright colors, tilted and distorted and finds his instructors excellent. Corita, head of the Art Depart- lettering, and both very large and ment of Immaculate Heart Col- very small type, Sister Corita

The serigraphs (a form of silkhopes to convey the meaning behind the prosaic slogans and labels of advertising.

Sister Corita began producing her posters some years ago, but the current vogue of "pop" art provided her with a further field for expansion. At present she not only produces her posters for art alone, but has designed advertisements for organizations such as American Can and Reynolds Aluminum, and done several record jackets for World Pacific, Inc.

Freshmen are invited to The Tech's "get acquainted" meeting tonight at 7 pm in the Mezzanine Lounge of the Student Center. Francis Wylie, Director of Public Relations Office, will be the guest speaker.

After the meeting will be short discussions with the editors, followed by refreshments.

# Nutritionists, economists

By Karen Wattel

The first International Conference on Single-Cell Protein (SCP) will be hosted by MIT October 9-11. Approximately 400 experts in fields related to world food problems, nutrition, and microbiology are expected to attend.

There are three or four differ-

the topic being carried on pres- head of the Department of Nutriof the largest non-company groups ers will include Hamish N. Munfood sources.

SCP

Mateles, technical secretary for Department of Agriculture, and the conference, its role is "to 1967 Underwood-Prescott Memorclear the air of any misconcep. ial Lecturer at MIT; Samuel A. tions about SCP which may have Goldblith, executive officer of the been formed as a result of certain companies propagandizing." He hopes to "make it clear what our opinions are, that SCP is one possible solution, but certainly not a single pancea."

SCP is the name given edible animal or human fare.

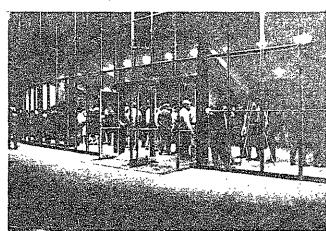
ent research projects related to Professor Nevin S. Scrimshaw, ently in the Department of Nutri- tion and Food Science, is chairtion and Food Science. MIT is one man of the conference. Its speakworking on the problem of future ro, General Foods Professor of Physiological Chemistry; Aaron M. Altschul, special assistant for According to Professor Richard international improvement, US Department of Nutrition and Food Science; Professors Steven R. Tannenbaum, Daniel I. C. Whag, and Sanford A. Miller, also of Course XX; and Salvador E. Luria, Sedgwick Professor of Biology.

## Dr. Altschul, farm expert. is Underwood Lecturer

Dr. Aaron M. Altschul of the US Department of Agriculture has on the faculty of Stanford Uni- of the Graduate School in early ever; much depends on the tech- been selected by MIT as the 1967 Underwood-Prescott Memorial June and defended his thesis be- niques developed for converting it Lecturer. He was selected because of his achievements in "combinfore a three-member examining into food. It may end up as either ing definitive chemical research with broad political understanding in helping countries around the world to create new food supplies."

# Mixers, LSC





Photos by George Flynn

The philosophy of the Tech community for a long time has been to "work hard, play hard." courses, including chemistry and Many after-hours activities take place during Rush Week and Freshmen Week, before classess humanities as well as mathe- actually start. An East Campus Mixer offers the ambitious Tech freshman an opportunity for future America and in Israel to develop companionship. LSC films offer diversions for him and his new friend.

Announcement of the award was made by Dr. Samuel A. Goldsmith, chairman of the Selection Committee, and deputy head of the Department of Nutrition and Food Science.

### Wide experience abroad

Dr. Altschul has been associated with the Department of Agriculture for the past 26 years. In February he was appointed consultant to the Secretary of Agriculture and Special Assistant for International Nutrition Improvement. He has represented this country in working cooperatively with scientists in India, Holland, and England to develop new protein foods from plant sources and to fortify cereal grains: As a consultant to the United Nations, he has worked in Central

(Please turn to Page 2)

## Altschul to address 200 in Underwood Lecture

(Continued from Page 1) better utilization of oilseed be present. proteins.

#### Recipient of many honors

Dr. Altschul is a member of Phi Beta Kappa, Sigma Xi, Phi Tau Sigma, American Chemical Food Technologists. He has received the Superior Service Award of the Department of Agriculture in 1956, and the Charles F. Spen-Section of the American Chemical William Society in 1965. In December 1966, the Technion Achievement Award, established by the Chicago Chapter of the American Society for Technion (Israel Institute of Technology.)

A native of Chicago, Dr. Altschul received his BS and PhD degrees from the University of Chicago and spent four years there on the faculty and as a research specialist before joining the Department of Agriculture's Southern Regional Research Laboratory in New Orleans. He served as head of the Protein and Carbohydrate Division.

#### Plans for lecture

The 1967 lecture will be presented by Dr. Altschul Thursday, October 19, at the Museum of Science, Science Park, Boston. An invited audience of more than 200 educators, scientists, food industry

executives and researchers will

The Underwood-Prescott lectureship was established in 1963 by the Wm. Underwood Company to honor Scientists selected annually by MIT for their contributions to Society, the New York Academy the advancement of food science. of Sciences and the Institute of The award is named for the late Samuel Cate Prescott, a distinguished pioneer in industrial biology who served on the MIT cer Award from the Kansas City staff for 47 years, and for the late Lyman Underwood, grandson of the founder of the he was named first recipient of Wm. Underwood Company, oldest canner in America.

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# New classroom features balcony

hours for use as a study room during and after class. for those in the course.

The classroom area stresses color and light and includes the such radical changes and, as a possibility of glass doors opening result, Room 7-102 is something completed. New ashwood furto an outside terrace or balcony, of a compromise. It includes many niture, the chalkboard, and coat The furniture would be casual of the general suggestions made hooks have yet to be installed.

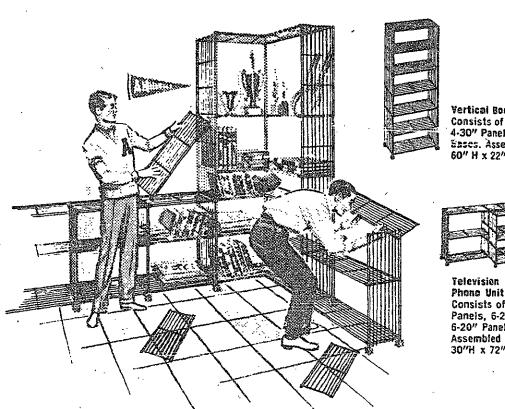
Radical changes refused

However, the MIT planning office wasn't ready to institute

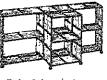
(Continued from Page 1) and allow flexibility in its use during the contest in addition to some of the features proposed in the winning design.

> Although classes are being held in 7-102, the room is not quite

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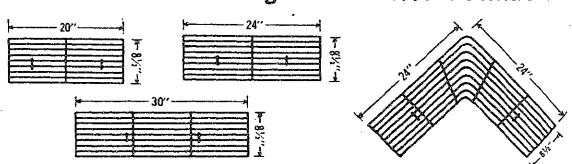


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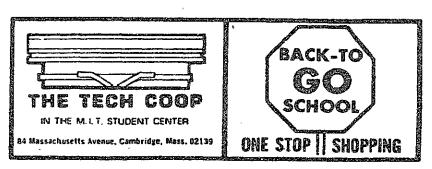
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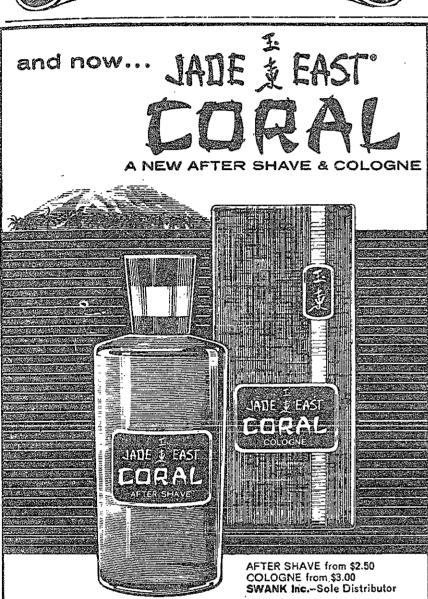
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## Hallowed tradition of "pinning" a girl is up-dated by Sprite bottle caps.

According to an independent survey (we took it ourselves), a startling new practice is becoming widespread on some college campuses.

Suddenly, fraternity men are no longer "pinning" the lovely young things that catch their eye. Instead, they reach for a bottle of tart.

tingling Sprite -- and proceed to "cap" their affections. the object of Why has this come about? Perhaps because of what happens when you go through the ceremony of opening a bottle of Sprite. It fizzes! Roars! Buzzes! Tingles! Bubbles!

than to simply "pin" a girl. Then, too, the intimacy of two people engaged in the act of opening a bottle of Sprite in itself

All of which makes for a much more moving moment

leads to strong emotional involvement. Capped off, of course, by the sharing of a few moments of delicious abandon. (Tasting the

tingling tartness of Sprite, that is.) The beauty of the idea is that if the course

of true love does not run smooth, you don't have to go to the trouble of getting back your pin. You just buy another bottle of Sprite



### First at Wellesley

# WIT soph studies Chinese

(Continued from Page 1) week to Wellesley but finds it worth it in spite of an 8:40 class at Wellesley on Wednesday morning.

Neither of the students met much resistance. Jim was even encouraged by Dean Alberty, head of the joint committee to discuss the cross registration. Both students had to arrange things for themselves with the instructors concerned.

### Difficulties

The obstacles seem to be minor. Jim had a little difficulty in fitting in his schedule. Both students will have to consider the tri-mester system at Wellesley as op-

# Wiesner to serve

appointed as Massachusetts member of the Interstate Compact on Education. The Honorable John A. Volpe, Governor of Massachuthe Compact.

ram L. Sachar, President of Brandeis University, and Dr. Owen B. Kiernan, State Commissioner of Education.

gram is facile on a large scale.

The joint student-faculty committee has already started dis-

posed to the plain semester sys- crete ideas being discussed; howtem at MIT. Classes at the two ever it seems that few rigid rulschools do not start at the same ings will be made. As the four part of the hour. These and cross registered students have altransportation problems will have ready shown the program can be to be ironed out before the pro-viable to individual needs. The committee will probably serve best as an official liaison between cussing these and other problems. the two schools and as an evalu-There are a few additional con- ator of the program's progress.

# Antiwar petition circulated: 🕏 number of signatures grows

withdrawal of US troops from Vietnam, has been signed by over education compact a third of the necessary ten percent of the undergraduate body, Dr. Jerome B. Wiesner, Provost and its circulation "is just getting and Institute Professor, has been started," according to Jim Leass '68 of the Committee.

#### Signatures from dorms

Over one hundred thirty signatures have been counted after presetts, named Wiesner, along with liminary efforts in Senior House, six other educators, to serve on East Campus, Burton, and Baker. Leass would like to see the peti-Others named include Dr. Ab- tion circulated in the fraternities. and has sent petitions to houses where contacts exist.

The petition was circulated in the dining halls of the Institute

The petition being circulated by yesterday, and the committee of the Committee to End the War hopes that it will be ready to 6 in Vietnam and calling for the submit to Inscomm by Thursday.  $\omega$ 

### The petition

The petition calls upon the Institute Committee, and hence the Undergraduate Association, to adopt the resolution that:

"The undergraduate students of MIT urge the immediate return home of all American soldiers from Vietnam so that the Vietnamese people can determine their own future."

### Oteri drug case stops meeting

Lawyer Joseph Oteri's visit to MIT as a guest at the INNIS-FREE coffee hour has been postponed one week. Scheduled to appear tomorrow night, Mr. Oteri had to postpone the visit because of the pressure of the hearings now being held in his test-case of the state anti-marijuana statutes.

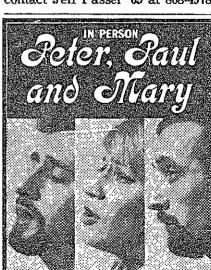
Pending further difficulties, the coffee hour will be Wednesday, October 4 at 7:00 pm in the East Lounge of the Student Center. Students and faculty are invited to come after their dinner and talk to Mr. Oteri.

### Bridge club announces Fractional Point wins

Winners have been announced in Saturday's Fractional Point Game sponsored by the MIT Bridge Club. North-South victors were: Paul Flashenburg '70 and Mike Mann '70; 2. Bill Horton '68 and Joe Viola '69; and 3. P. Chye and A. deWulf of Harvard

East-West winners were: 1. Mark Bolotin '68 and Mike Chasen '67; 2. Jeff Murray '71 and D. Giel 71; and 3. Mark Gilman 71 and Jed Stein '71.

The Club will have a special Trophy game Saturday beginning at 12:45 pm in room 470 of the Student Center. For information, contact Jeff Passel '69 at 868-4978.

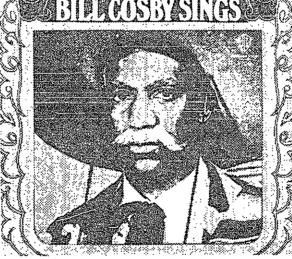


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### Letters to The Tech

To the Editor

Your editorial of September 15 "'Others' under the skin" was read with interest, particularly since our office is also directly involved in the matter. However, your statement, ". . . nor has any information about race, religion or nationality . . . ever been requested either for admissions or afterward," actually is not true. For a number of years, this office has asked, and must continue to ask, aid recipients to volunteer answers to a number of questions related to this type of information.

Our problem is one of meeting the variety of terms associated with several hundred gifts and bequests designated for financial aid purposes. Although MIT encourages prospective donors to make their contributions without explicitly defining the characteristics of the recipients, the fact remains that there are many highly restricted scholarship funds continuing to earn interest annually, and the accumulated interest, which until recently we were unable to spend effectively, still stands at over \$200,000.

A number of our other endowment and gift funds carry lesser restrictions, but it would be just as unfortunate if we were to be precluded from asking the questions necessary to identify qualified recipients.

We certainly respect the right of an individual to withhold answers to any such questions for whatever reasons he may have, but we hope that the students to whom we address our questions (nearly 50% of the undergraduates) understand that, carried to the extreme, such an exercise of personal rights would have the simple effect of dramatically reducing the strength of our scholarship and loan program, with all aid recipients sharing the consequences.

> Peter Buttner '61 Assistant to the Director Student Aid Center

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	Roger Dear '70, Jeff Goodman '

Front page photo of 77 Mass. Avenue by Bill Ingram.

## Talking Rock

By Steve Grant

The attention focused on the San Francisco scene can be expanded to include the Doors. Although they are from Los Angeles, they have played the Bay Area discotheques and can be generally identified with such groups as the Jefferson Airplane. The Doors are led by Jim Morrison, writer and lead singer. He and organist Ray Manzarek met at UCLA and developed a basic blues background which is the Through to the Other Side,' failed foundation for the group's music. Guitarist Robbie Krieger and drummer John Densmore joined the group a year ago. Today they are the most versatile performing group in rock. (The Beatles, although they are easily the most diverse and creative group around, are rather limited as performers.)

First album

Their first album, an Elektra LP, is a masterpiece. There is

### WTBS sponsors Fall jazz concerts beginning Oct. 11

This fall WTBS will once again present avant-garde jazz concerts Fire' would be a sort of magnum on campus. This series starts opus.' But Jim Morrison has writ-Wednesday night October 11, at ten a flexible poem which varies 8:30 pm in Kresge Auditorium according to mood, relating all with Archie Shepp. Tickets will be kinds of sexual imagery, an the hard rock standard 'Gloria.' trumps brought low hearts from no trump suit, the squeeze would on sale in the Lobby of Building Oedipal hangup, and various psy- The song is supposed to be over West and low diamonds from have failed. Ten starting today, or by calling chopathy. 'The End' at eleven and fifteen minutes long, and should dummy and East. The position UN 4-6900 ext. 2910.

the humorous 'Alabama Song' written by Kurk Weill. 'Back Door Man,' a powerful rhythm and blues song is much better than the soul-less Blues Project version. In addition the album contains some outstanding original material. This album reached number 2 on Billboard last week, although it will certainly not displace "Sgt. Pepper" from num-

was surprising when Billboard picked 'Light My Fire' to make the top 20. It was too sophisticated and too long to be a hit single, but cut to two and a half minutes from the original seven, it made number 1 for three weeks. The long version of this song has the most powerful kinetic rock instrumentation ever performed. Ray Manzarek's wild organ puts him in a class with Mike Bloomfield as a rock soloist. Much of the song is pure sexual instrumentation - a 'come' sequence for a climax. This version received little airplay, although WBZ and KYA in Frisco were

With any other group 'Light My a half minutes, is an 'open can-make their new album a fine one. then was:

vas' (to use producer Paul Rothchild's words) which Jim Morrison uses for various poetic imagery, and to which the rest of the band contributes loud, obviously sexual patterns, with their 'boy gets girl' routine. KYA also aired this whole selection.

Limited in personnel as they are in this period of five-and sixman groups, the Doors use a few simple but clever tricks to get a Their first single, 'Break On full sound. Without a regular bass, except when either Robbie Krieger or Ray Manzarek dubs in that instrument, Ray mikes his organ through a fuzz-tone box on the bass channel of his amplifier to get a very thick sound. This is how 'The End' avoids sounding flat and trite in spots. Robbie Krieger's guitar serves a solid drone function, although what he plays is very simple. This all provides a solid foundation for Morrison's vocal, and the instruments take over without hesitation when the words stop.

> With their near-initial success, the Doors are an established becomes significant after the group. Their new album, soon to squeeze has occurred. be released, and their new single,

College

College in Michigan. The professors are signing up undergraduate tutors to help them gain insights into fields other than their own. And why not? A few professors have been known to make it all the way through their PhD's without even a basic course in chemistry or math.

It all started when Professor John B. Moore, a philosopher, felt the need of a little knowledge of basic economics to do further research in his own field.

Finds a tutor

Accordingly, after conferring with the Dean about his plight, Dr. Moore was placed under the care of George W. Lindenberg, a senior in economics, for three hours of tutoring each week.

The results were twofold. First of all, George, who had been working at a campus dishwashing job, was essentially being paid by the favor of a change in the rules college to review for his comprehensive exams. And Professor Moore was able to master the es- Holy Cross Dean of Men has desentials of economics.

**Humility** needed

mility on the part of a professor disciplinary sanctions. to sign up for a tutor, it takes almost more on the part of depart- noted, neither approves nor conmental chairmen, who are asked dones the possession or use of alto select the tutors.

says. When George had a difficult in all public areas. Behavior retime explaining fiscal policy, sulting from over indulgence will some of his economics professors be subject to disciplinary action hastened to call Dr. Moore and also. The Dean of Men suggests assure him that the student knew that students be governed by Masthe facts but was just hard sachusetts State Laws concerning pressed to make them understandable to a philosopher.

A challenge

East South

. 5 of

West

North

The Massasoit Community Col- sons under 21 years of age.

It's happening out at Kalamazoo lege (North Abington, Mass.) Quill printed this notice, which we reproduce in full:

> To all and sundry duck pin experts, be it known and noted herewith, that:

> "... Whereas, The Faculty has been holding secret practices at summer camp with the Boston Patroits, and

> "... Whereas, The Faculty has great confidence and faith, A CHALLENGE is hereby offered to the top and/or bottom team (s) of the Fall Intramural bowling league.

"Understand and act according-

The same paper also observes that "College is hard work, homework, slow work, and sometimes ... no work. . . "

#### Crusaders and alcohol

The Administration has voted in governing alcoholic beverages at Holy Cross, in Worcester. The cided not to handle the drinking of alcoholic beverages as a dis-Dr. Moore remarked that while ciplinary problem. Previously it takes a certain amount of hu- such drinking has been subject to

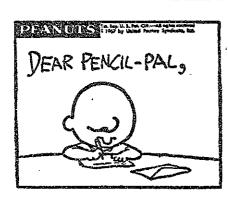
The College, however, it was coholic beverages on campus. The It "exposes" their majors, he new regulation prohibits drinking alcoholic beverages, which prohibit sale or delivery of such beverages to, or for the use of, per-

By Phillip Selwyn

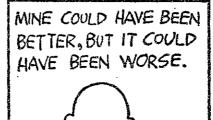
N	orth		North	
<b>&amp;</b> (	Q 10 9 4		<b>♠</b> Q	•
<b>◎</b> A	A 2		♥ A 2	
<b>\lambda</b> 1	A 10 7 5 2		♠ A 10 7	
<b>&amp;</b> 5	5 4			
West	East	West	- ,	East
<b>4</b> 65	<b>AAKJ87</b>	<b>A</b>		AΑ
<b>♥</b> J986543	♥ K 7			♥ K 7
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=	outh		South	
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<b>®</b> (	Q 10		♥ Q 10	
<b>♦</b>	3		<b>3</b>	
	A K Q J 9 8 7 6	•	<b>2876</b>	
Neither Vulnerab	le	On the n	ext frump.	West an

On the next trump, West and dummy got rid of low hearts, but Double (All Pass) East was squeezed in three suits. In today's hand, declarer was He obviously could not throw the able to bring home his contract by means of the extremely rare Ace of spades and whichever red trump squeeze. The important suit he threw left declarer in feature of this type of squeeze is command. Declarer crossed to that the role of the trump suit dummy's Ace of diamonds, ruffed a diamond, and returned to dum-The opening lead of the 6 of my with the Ace of hearts. If 'People Are Strange,' now at 102 spades was won by East's J, the East had thrown a diamond benationally, should have no trouble K of spades was cashed, and a fore, dummy's 10 would now be making their respective top tens. low spade was continued. De- good. If East had thrown a heart Now that 'The End' exists in a clarer ruffed with Ace and drew before, South's Q would be high recorded version, and has lost trumps in two rounds, East dis- and there would still be a trump most of its flexibility, Morrison carding a low spade on the second left as a reentry to the South has developed a new 'canvas'- round. Two more rounds of hand. Clearly, if there had been

> The analytically minded reader might like to think about the play after other opening leads. It turns out that, as the cards lie, only a heart lead can set the contract, since the defense will then get three fast tricks. After a minor suit lead, declarer can draw trumps and strip West of his diamonds with one ruff. He then throws East in with a spade. East can cash a second spade winner, but is then endplayed in three suits, giving declarer his eleventh and game-going trick.





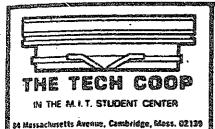




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### Housing unfair

# Grad thesis rips BHA

of the actual operations of the United Church of Christ. BHA, the document went on to Mrs. Hipsman's document called el \$100,000 could be saved by the of this situation by Boston resi- of better qualified appointees to and that the Authority has shown dents.

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Résumés `

Housing Authority for negligent Planning Association of Metropol- able rent scales. The report admismanagement has been released itan Boston, the Massachusetts vocated the appointment of more as the thesis topic of Mrs. May B. Committee on Discrimination in qualified men to the Board, four Hipshman, an MIT graduate stu- Housing, and the Metropolitan of the five members having been dent. In addition to the criticism Commission on Housing of the appointed by Mayor Collins. Mrs.

criticize the apathetic tolerance for immediate action in the form elimination of per diem salaries the Board of the BHA, the termin- more interest in rent collection Her paper was based on re- ation of daily salary payments, than improvements. search done over a four-month the establishment of a new hiring period and sponsored by three system, more efficient mainten-

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A report condemning the Boston groups: the Citizens Housing and ance programs, and more equit-Hipshman claims that an estimat-

## Use of radiation to be studied by MIT satellites

Two satellite experiments are being designed at the Lincoln Laboratory to find out whether cer- on tain radiations in the earth's atmosphere can be used for navigation near earth.

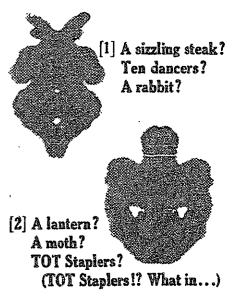
Variations to be observed

Under the name of Project PRO-FILE, the project is funded by the Air Force Systems Command, with the launches planned for 1970 and 1971. The satellites will attempt to measure infra-red and ultraviolet radiations along the earth's limb, in order to discover what significance may be attached to seasonal and geographical variations in these radiations, and in what ways they may be used to detect the actual limb of the earth.

In order to determine the exact position and orientation of the satellites at all times, PROFILE missions will use inertial navigation equipment salvaged from preliminary unmanned APOLLO flights. The experiments will be incorporated in a larger satellite, and launched with a THORAD (Thor Agena D) booster.



Test yourself... What do you see in the ink blots?

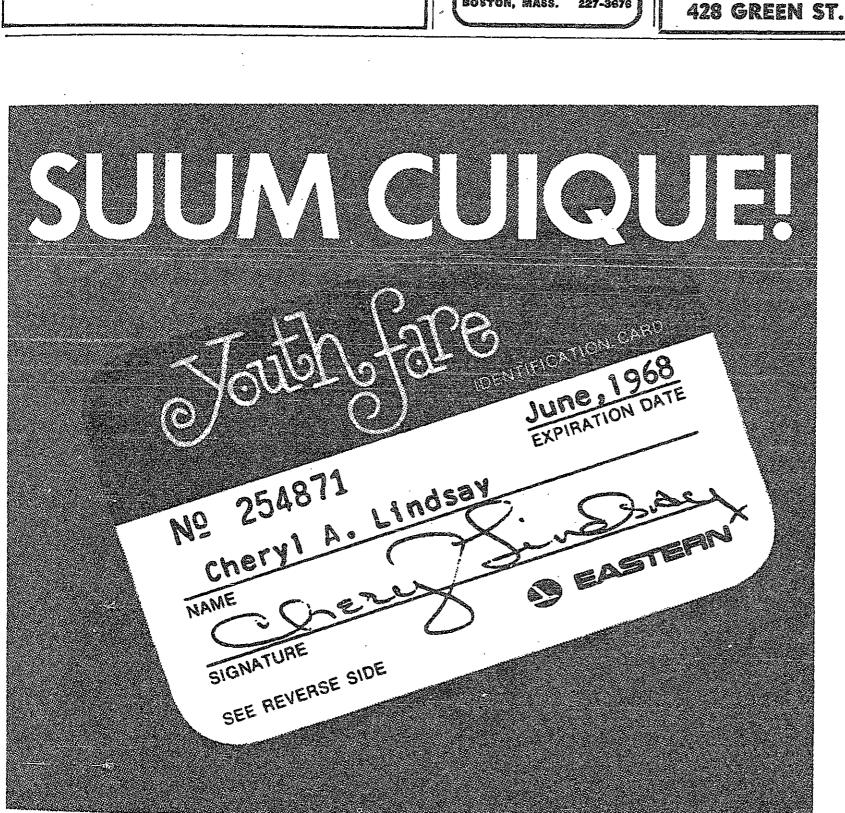






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## Negries and theatres

FINE ARTS - "Blcycle Thief" 5: 39, 8: 50. "Grand Illusion" 7, ASTOR — "Luv" Daily: 10, 12, 2, 4, 8, 8, 10. Sum.: 1:30, 3:30, 5:30, 7:30, 9:30. 5:30, 8:50. "Grand Illusion" 7, 10:15.
FRESH POND CINEMA — "The Honey Pot" 1, 5:15, 9:40. "The Russians Are Coming" 3:15, 7:35.
GARY — Reserved seat engagement. "The Sand Pebbles" Mon., Tues., Thurs., Fri.: 8:15. Wed., Tues., Sat., Sun.: 2, 8:15.
HARVARD SQUARE — "The War Game" 1:30, 3:10, 4:50, 6:30, 6:10, 9:50.
MUSIC HALL — "In the Heat of the Night" Daily: 10, 12, 2, 4, 6, 8, 10. Sun.: 1:30, 3:30, 5:30, 7:30, 9:30. BEACON HILL — "Women & Temp-tation" Daily: 10, 12, 2, 4, 6, 8, 10, Sun.: 1:30, 3:30, 5:30, 7:30, 9:30.
BRATTLE — Dally: 5:30, 7:30, 9:30;
Sat. & Sun.: 3:30, 5:30, 7:30, 9:30.
Tues. & Wed.: "Electra."
CHARLES CINEMA — "The Tiger and the Pussycat" Dally: 2, 4, 6, 9, 10. 1 — "Enter Laughing" 1 10, 11:50, 1:50, 3:50, 5:50, 9:50, Sun.: 1:30, 3:30, 5:30, 7:36, 9:30.

CHER! 2 — "To Sir With Love"
Daily: 10, 12, 2, 4, 6, 8, 10, Sun.:
1:30, 3:30, 5:30, 7:30, 9:30.

CHER! 3 — "A Guide for the Married Man" Sun. thru Thurs.: 1,
2:44, 4:23, 6:02, 7:45, 9:35. Fri. &
Sat.: 1, 2:30, 4, 5:30, 7:15, 9, 10:39.

CINEMA KENMORE SQ. — "Taming of the Shrew" 1:30, 3:30, 5:30,
7:35, 9:40.

CIRCLE — "Thoroughly Modern PĂRIS CINEMA - "The Family Way" Daily: 2, 4, 6, 8, 10. Mills named to head

# information systems

Mr. Richard G. Mills has been Processing Services for the MIT campus. He will coordinate the growth and development of all the individual installations on campus, including the LNS, CESL, Project never dominated the players. MAC, and the Sloan School fa-

Faculty and Administrative Coun- Cox and Mr. Box. Mr. Cox, a hat-

Mr. Mills received his BS in which time he was already working on the Whirlwind I machine. plot. Mills is currently Assistant Director of Project MAC, and a Lecturer in Electrical Engineering.

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# 'Cox 'n Box,' 'Trial by Jury' sparkle

By Barry Mitnick

movie...

Two works by Sir Arthur Sullivan, one with libretto by Gilbert, and the other by Burnand, bounded over the parquet floor in the Student Center last Sunday.

Cox 'n Box

'Cox 'n Box,' by Sullivan and Burnand, is of the short, snappy genre used as a curtain-raiser in the nineteenth century, and though the stage in the Sala had no curtain, the MIT Gilbert and appointed to the newly created Sullivan Society's performance of position of Director of Information it would have raised any curtain anywhere. Ginny Fano's direction emphasized action. Though the cast numbered only three, the stage never seemed empty and

Herbert Meily sparkled as Bouncer, the landlord and ex-Mills' job, beyond administration sergeant of the Queen's Horse who of the main facility, will include boosts his income by renting the him ex officio as and member of same room to two gentlemen, Mr.

> triumph in craven cunning lapses indeed. matched with a voice that has been a joy to audiences in production after production. Robert Gas- by Jury' other than that it exton as Cox and Tom Gilligan as ploded in a dazzling display of Box bounced across the stage with vocal and comic fireworks. Betty and mimed his way through the an enthusiasm equalled by their Rose's crowd scenes were masses. considerable comic skills. If oc- of individual business. Characters casionally the accent on motion subsidiary to the action in any

Photo by Bill Ingram

'Silence in court!" Townspeople threaten Edwin, played by Karl Dierup, as Judge Rudy presides over the breach of promise of marriage case in the Gilbert and Sullivan Society's production of Trial by Jury, presented Sunday in the Student Center.

ter, works by day, and Mr. Box, a words were lost by Mr. Gaston in minute comic routines that lest printer, by night, and their un- the volume of one of his power-Electrical Engineering in 1954, at expected meeting provides the fully projected songs, or if ocspark for Burnand's bubbling casionally Mr. Gilligan's voice did not quite match up to those of the Mr. Meily's Bouncer was a other two, these were occasional gnat, and Counsel Norman Ru-

Trial by Jury

One can say little about 'Trial led to strain, or if occasionally given scene often performed

an air of circus gaiety without attendant clownishness. Judge Richard Rudy's swatting of a bin's upside down law book were two such minor touches that drew

Richard Rudy deftly mugged part of the Learned Judge who, having achieved his distinguished station through breach of promise of marriage, is now prepared to try such a case. Mr. Rudy was a "judge, and a good judge, too." Norman Rubin as counsel for the plaintiff gave the kind of glowing acting and vocal performance one has come to expect from him Connie Jo Adler was a properly plaintive plaintiff as Angelina, the jilted fiancee of Edwin, played by Karl Dierup. Mr. Dierup contrib. uted a booming voice to Edwin's supercilious snobbishness, and Usher Bill Weinstein chimed an officious "silence in court."

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# Burton romp in openers

By Joel Hemmelstein

Intramural football opened the 1967 season with few surprises last Saturday and Sunday. Saturday in A League, Delta Tau Delta edged Theta Chi, 7-0. Inept offenses and strong defenses combined to see the two teams leave the field at the half in a scoreless tie. However, the Delts finally took advantage of penalties to hit paydirt in the fourth quarter on a pass from quarterback Bob Wyatt '68 to end Kent Attridge '69.

In the nightcap of the Saturday doubleheader, Burton A pulled a minor upset by dropping Delta Upsilon 19-0. As predicted, Alex Wilson '67 grabbed one PAT and set up two of the three TD's on receptions from soph hurler Mike Coyne. Larry Wischhoeffer '69 started in catching one bomb for six points and hauling in another on the one yard line. Burton back Rick Young '68 from Al- The Wheeler-Rutherford combinastruck once each in the first two periods and finally in the final quarter to Wischhoeffer again. Rich Withelder '68 picked up the middle six points.

Burton could not manage any kind of running attack but the tipped to teammate Bill Stewart air was filled with Coyne's aerial '69. Stewart streaked down the artistry. Burton now presents it- sideline to the twenty yard line self as a definite threat in the of the opposition. championship race.

#### SAE, Betas roll

tition, Sigma Alpha Epsilon and Chen in the far corner of the Beta Theta Pi, escaped unscathed end zone. Young took a flare pass with two tough but well-earned to make the final point of the 14-0 shutout wins.

The Betas stumbled through the first half unable to mount any offensive threat appreciable against a stunting Phi Delta team. However, the third quarter saw Denny Albright, junior signal caller take over the reins as Tom Chen '68 moved up to tight end. The offense immediately began to march over the Phi Delts, and moved in to score in the fourth period on a swing pass to spinner-

## Tech skaters lose in Melrose league

By Scott Rhodes

An understrength Tech hockey night in the fall Senior B league scores and the final victory, 32-0. College and Bentley, and Brandeis and Clark. at the Melrose Rink. They were beaten 8-3 by the Elks Club. Tech's skaters were missing many of last year's varsity who were unable to play in this first game.

The Elks led only 1-0 throughout most of the first period, but the MIT club was unable to keep up the fast pace. The Elks put in two more goals before Bob Patterson scored for Tech. Bill Jesseman and Peter Hamilton-Smith '70 also scored for the engineers.

This is not the first time MIT be dubbed a doubtful note. and the Elks have clashed. Last spring in the same league, the MIT undergraduate twice came out on top in rough-and-turnble games with the same team.

In spite of this initial setback, the skaters are looking forward to a successful fall season. This Monday will see thirteen returning varsity and JV lettermen including goalie Steve Ericsen '68 take the ice against the Rangers.

This high percentage of returning skaters, along with several promising sophomores and the experience gained this fall should be a great asset when the season starts in December.

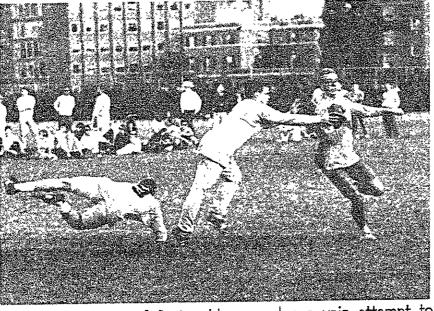
### On Deck

Wednesday, Sept. 27 Soccer (V)-Holy Cross, away.

## How They Did

Sailing

MIT (V) second in Danmark Trophy



Bill Stage '69 of Burton House makes a vain attempt to elude a DU tackler in Saturday's action. The Burtonites went on to a three-touchdown victory over the opposition to enhance their chances in the A division.

bright.

The Betas kicked off but the tight defense stole a Jim Lyneis '70 pass and the Betas moved again. The interception came on a flat pass that Jim Cormier '68

Albright set the machine in motion again, masterfully mixing his The two favorites in the compe- passes. The score was made by triumph.

#### SAE tops PGD, 32-0

Sigma Alpha Epsilon shook off forge an overwhelming win over Phi Gamma Delta, 32-0. Bruce the half over the young, lacking Fijis. He passed early to Don Rutherford '67 to rack up a quick six. Then Wheeler called a quick opener and sprinted into scoring country.

sparks of effectiveness as the be playing. SAElors went into the locker room

the clear for two more.

tion worked again for one while Dave DeWitte '69 scrambled into regatta. Crewing for Bob was Bill

# Tech sailors place 2nd in Danmark Cup races; Berliner nabs top honors

This weekend, the varsity sail- The regatta was sailed on Sating team battled to a second-place urday and Sunday at the Coast finish with fifteen other schools in Guard Academy, in winds which very strong international competi- came from several directions and tion for the Danmark Trophy, which varied from five to fifteen The only-team that beat the Tech miles per hour. The first race sailors was one comprised of was called back and resailed Coast Guard Seniors Jim Ingram after several very large and unand Butch Minson, 1966 National predictable wind shifts had put Intercollegiate Champions, who MIT into 11th place. After that were sailing in their home break, MIT was at least within a waters. Included among the rest point of the lead until the last of the field were English teams race of the day. Due to the tricky from Oxford, Cambridge, and the wind conditions, the top five British Universities Sailing Asso- schools were within five points of ciation; McGill University, from the lead, after the first six races. Canada; and many colleges from However, in the next race Tech New York and New England.

was Captain Dick Smith '69, leading scores at the end of the skipper, and Dave McComb "70, first day were: Coast Guard and crew. High point skipper for the N.Y. Maritime with 82, Yale and entire regatta and sailing in the Oxford with 78, British Univer-"B" Division was Bob Berliner sities with 72, and MIT and Tufts '70, who was in his first varsity with 67. Michels '70.

was disqualified and ended up the Sailing for Tech in "A" Division day in a tie for sixth place. The

#### Tech improves Sunday

By the end of the 3rd race on Sunday, Tech had risen to 4th place, but was 20 points behind Coast Guard. Then MIT caught fire as Captain Dick Smith '8 captured a first and a third, while Bob Berliner '70 scored two seconds. Going into the last two races, the Tech sailors were in second place, only 8 points away from Coast Guard and 17 points ahead of third place Oxford. At that point Coast Guard decided to cover Tech on every maneuver. This tactic was designed to prevent MIT from gaining any ground on Coast Guard. Unfortunately, it succeeded in bothering both MIT skippers and enabled Coast Guard to enlarge its lead. The final standings were: Coast Guard (198), MTT (183), Merchant Marine Acad. (171), B.U.S.A. (169), Oxford (165), Brown (149), Tufts (144), N.Y. Maritime (142), Yale (142), Cambridge (123), Harvard (122), U.R.I. (122), B.U. (120), Northeastern (107) and McGill (83).

### Tech faces CG again

On Sunday, MIT's young and relatively inexperienced varsity will attempt to better their strong showing this weekend. They will tional Regatta, in which each team will race two dinghys, one 30 foot Knockabout (with keel) and one 24 foot Raven (with centerboard). Also on Saturday, the sailors will compete in a three crew dinghy regatta at U.R.I. and in a sloop elimination for the Wood Trophy at Coast Guard. Since MIT has several other good skippers and because the sophomores don't seem to be bothered by their own lack of experience, this promises to be a good season for the sailing team.

# Golfers open fall season with Montreal tournament

By Steve Wiener

Thursday, the varsity golfers fly to Montreal to open their fall campaign in the Sir George Williams Tournament. This competition saw Tech finish second last year, only thirteen strokes off the pace.

Coach Merrimen will take five men with him to play in the thirty-six hole tourney. Standings are determined by taking the best four scores of each team. The engineers will get in a practice round Thursday afternoon in preparation for their Friday and Saturday tee-offs.

Banner to lead team

Leading the squad will be captain Gerry Banner '68, who finished the rust of a year's inactivity to second individually at Montreal last year. The following weekend he will defend his title as number one in the ECAC qualifying rounds at Watch Hill, Rhode Island. Right behind Banner there is Greg Wheeler, soph quarterback, came Kast '69, Tom Thomas '69, and Mike McMahan '69, all returning up with a two-touchdown lead at lettermen. McMahan finished last spring by capturing medalist honors in the final three dual meets. If he can continue where he left off and Thomas and Kast play their usual consistent rounds, the team stands a good chance over the weekend.

Three frosh look good

Fighting for the other positions on the team are the three leading freshman golfers from last spring, John Light, Don Anderson, The Fiji defense showed some and Ken Smolek. Greg Erickson '69 and Tom Janes '68 will also

The following weekend the golfers will compete in the ECAC with a two-TD lead. However, the qualifying round in Rhode Island. Last fall they topped the twenty defending champs busted out in team field and won the right to play in the finals at Bethpage, Long the third period and marched up Island. In addition to the two tournaments, the team will have a and down the field for three more dual match against URI and two triangular meets with Boston race in the Coast Guard Invita-

Ajadi out for season

# Booters hit by injury

By Paul Baker

Hard hit by graduation and injury losses, the varsity soccer team opened its season Wednesday at Holy Cross in what must

Through graduation, the team lost the heart of its defense, cocaptains George Jones '67 and Rick Gostyla '67. Roy Talus '67 an outstanding goalie, also received his degree last June.

While these losses could be anticipated, news that Bayo Ajadi '68, last year's leading scorer and All-New England honorable mention forward would be lost for the season was disheartening. To add to the trouble, Gavin Clowe '68 suffered an attack of appendicitis and will be lost for the season, and Jack Russell '68 will be out because of academic pressure.

Despite these setbacks, - team spirit is high and outlooks optimistic. Saturday, the engineers stopped Boston University 2-1 in an exhibition scrimmage at Lex- seen in his three years of exper- stars, they could have a successington High. George Busby '68 tal- ience at MIT. Sole was shuffled ful season.



Rick Gostyla '67, this year's assistant coach, shows the strain of a near miss in one of last year's contests.

lied the first goal in the second period and Joe Kadich '68 the Harvard and Middlebury. winning score on a penalty kick in period three. Commenting on the game, team captain John Sole

from forward to fullback this season, while Jeff Reynolds '69 manned the all-important goalie position.

Morrison successfully Coach employed a new strategy during the game, using a 4-3-3 alignment with four fullbacks, three halfbacks and three forwards.

Tech in new league

As was previously announced, the engineers will be competing in the newly formed Greater Boston Intercollegiate Soccer League this fall, with their stiffest opposition expected to come from Tufts. Scheduled for October 18, the Tufts game also happens to be the first league contest. Before this, however, the engineers play their toughest competitors,

All things considered, the engineers have a solid team which should have a fighting chance to '68 stated that the squad showed win the league. If teamwork can the best teamwork that he had compensate for lack of individual